

PENTAX®

DigiBino DB100



1. Shutter release button
2. Menu button
3. Display button
4. Control buttons
5. OK button
6. USB/Video cable connection
7. Objective lens
8. Camera cover switch
9. Camera lens
10. LCD panel
11. Focus wheel
12. Status lamp
13. Eyepiece lenses

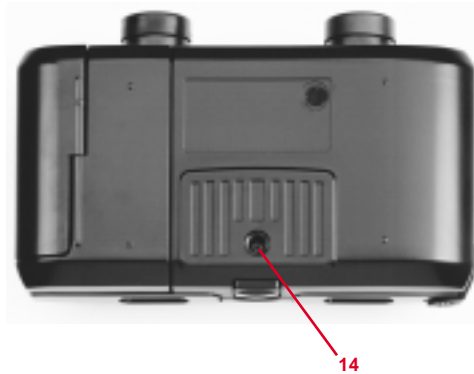
More than a pair of binoculars. More than just a digital camera. The DigiBino is the world's first binocular equipped with a digital camera and LCD monitor.

- World's first binocular with a built-in digital camera
- 7x roof-prism binocular
- Digital image recording with 7x magnification lens
- 16 megabytes internal memory
- 1024 x 768 maximum resolution
- Images recorded in JPEG format
- USB connection to PC for image download
- Binocular-linked focusing system
- Video-out terminal for TV viewing
- Continuous shooting up to 10 frames at five frames per second

PENTAX®

DigiBino DB100

- 14. Tripod socket
- 15. Battery compartment



Specifications

Type

Roof prism type binoculars with built-in digital still camera, binocular-linked focusing, auto exposure, center focusing.

Lens

Pentax 37mm (equivalent to 280mm in 35mm format) f/4.0. Objective lens: 2 elements in 1 group. Eyepiece lens: 3 elements in 2 groups.

Binocular

Magnification

7X

Objective Lens Diameter

17mm x 14mm

Real Field of View

7.1°

Apparent Field of View

50°

Field of View at 1000m

124m

Field of View at 1000 Yards

372 ft.

Exit Pupil

2.4mm x 2.0mm

Eye Relief

11mm

Relative Brightness

5

Diopter Adjustment Range

-5m⁻¹ to +3m⁻¹

Eye Width Adjustment Range

2.2 in. - 2.8 in. (57mm - 72mm)

Focusing Range

Approx. 6.6 ft. to infinity (approx. 2m to infinity)

Eyepiece

Rigid type

Digital Camera

Effective Pixels

0.8 megapixel

Sensor

0.85 megapixel (total pixels). 1/3 inch progressive CCD.

Recorded Pixels

Still - 1024 x 768 pixels, 640 x 480 pixels.

Sensitivity

Auto (equivalent to ISO 100 - 1600).

File Formats

Still - JPEG (Exif 2.1), DCF.

Quality Levels

"Fine", "Normal", "Basic".

Storage Media

Internal memory 16MB.

Digital Zoom

1.6X, 3.2X

Focusing System

Type: Binocular-linked focusing system.

Focusing Range: Binoculars and camera - 6.6 ft. (2m) to infinity.

Focusing Indicator: Cross hair in binocular field of view.

Exposure Control

Metering System: TTL metering center-weighted metering.

Exposure Modes: Programmed auto exposure.

Shutter

Programmed AE CCD electronic shutter. Shutter speed: approx. 1/8000 sec. to 1/30 sec.

Drive Modes

One shot, Continuous (max. 10 shots at 5 shots/sec., Fine image).

White Balance

TTL auto.

Optical Viewfinder

Binocular (diopter adjustment from -5m⁻¹ to +3m⁻¹).

LCD Monitor

1.6 inch, D-TFT color LCD.

LCD Function

Nine-image and 1X-3.2X (soft zoom) magnification available in playback mode.

Interfaces

Video output terminal, USB terminal.

Video Output

NTSC format model or PAL format model.

Power Sources

Two AA size alkaline batteries, two AA nickel-hydride rechargeable batteries, one lithium battery (CR-V3 type).

Body Color

Black

Dimensions

5.0 (W) x 2.7 (H) x 1.7 (D) inches (127mm x 69mm x 44mm)

Weight

9.0 oz. (250g)

Accessories

Case, strap